

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Video Projector
 Manufacturer: Sanyo
 Firmware Version: N/A
 Model(s): PLC-XP41, PLC-XP41L, PLC-XP46, PLC-XP46L

Version History:

Driver Version	Date	IPLink Compiler	GC Version	Notes
10	5/3/2010	1.4.0	3.0.3	Adjusted Lamp Usage Timeout values. Brought the driver up to standards. Removed some models from the driver see Driver Notes for more details.
9	05/20/09	1.13.11.1	2.5.1	Extron Non-Certified version. Updated Input command status enabling selection of different input signals.
8	4/01/08	1.3.11.1	2.4.0	Extron Non-Certified version. Added Lens Shift.
7	1/24/2008	1.3.11.1	2.3	Extron Non-Certified version. Change female DB9 connector to male in pin diagram.
6	05/31/07	1.0.9.3	2.2	Extron Non-Certified version. Added Zoom, Focus, and Aspect Ratio States: True, D.Zoom+ and D.Zoom-, Beta
5	05/01/07	1.0.9.3	2.2	Extron Non-Certified version. Removed the pre-power processing checks, updated to new standards.
4	09/17/04	1.0.9.3	N/A	Extron Non-Certified version. Added support for models PLC-XF35N and PLC-XF35NL. Optimized Code, Beta.
3	07/15/04	1.0.9.0	N/A	Extron Certified version. Version tested on Sanyo PLC-XP46. Added status reporting for Aspect Ratio, Audio Mute, Freeze, and Video Mute.
2	03/19/04	1.0.8.10	N/A	Extron Non-Certified version. Tested on Sanyo PLC-XT15. Added models PLC-EF31N, PLC-EF31NL, PLC-XF31N, and PLC-XF31N
1	11/07/03	N/A	N/A	Initial beta version.

Driver Notes:

RS-232 protocol states the Aspect Ratio for Video is 'Regular size' and 'Wide size' however the On Screen Display (OSD) returns values of 'Normal' and 'Wide'. RS-232 protocol states 'Video mute' however the OSD returns 'No show. This driver will only Update Lamp Usage when the device is on and Device status is Normal.

Moved models PLC-EF31, PLC-XF31, PLC-XF31NL, PLC-XF35NL, PLC-EF31N, PLC-EF31NL, PLC-XF31N, PLC-XF35N to driver sano_1_4250. If your model was moved then any existing packages of sano_1_11_9.pke and prior, containing the same models as the ones removed in this package in your driver2 directory, be sure to configure that package(sano_1_4250). It is the latest version.

Control Commands & States:

Aspect Ratio	Regular D. Zoom +*	Wide D. Zoom -*	True*
Audio Mute	On	Off	
Auto Image	Execute		
Focus	Up	Down	
Freeze	On	Off	
Lens Shift	Up	Down	
Input	Input 1 Analog Input 2 Video Input 3 Video	Input 1 Digital Input 2 RGB Input 3 S-Video	Input 2 Component Input 3 Component
Power Control	On	Off	
Video Mute	On	Off	
Volume (Step)	Up	Down	
Zoom	Up	Down	

Note: *These states do not have status

IP Link[®] Device Interface Communication Sheet

Status Available:

Aspect Ratio	Regular	Wide	
Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Device Status	Normal	Power Fail	Temp Warning (Power On)
	No Key Input	Status Unavailable	Lamp Off by PWR Mgmt
	Lamp Off and Temp Warning by PWR Mgmt	Temp Warning and Cooling Down	Temp Warning and Recovered
Freeze	On	Off	
Input	Input 1 Analog	Input 1 Digital	Input 2 Component
	Input 2 Video	Input 2 RGB	Input 3 Component
	Input 3 Video	Input 3 S-Video	
Lamp Usage	Hours		
Power Control	On	Off	
Power Status	On	Off	Cooling Down
	Warming Up	Status Unavailable	
Video Mute	On	Off	

IP Link[®] Device Interface Communication Sheet

MLC62 Supported Commands:

Aspect Ratio	Regular D. Zoom +	Wide D. Zoom -	True
Audio Mute	On	Off	
Auto Image	Execute		
Focus	Up	Down	
Freeze	On	Off	
Input	Input 1 Analog Input 2 RGB Input 3 S-Video	Input 1 Digital Input 2 Video Input 3 Video	Input 2 Component Input 3 Component
Lens Shift	Up	Down	
Power Control	On	Off	
Video Mute	On	Off	
Volume (Step)	Up	Down	
Zoom	Up	Down	

IP Link[®] Device Interface Communication Sheet

Cable and Adapter Requirements:

Use control adapter Mini 8 Pin DIN to DB9 Serial Cable that is supplied with projector.

If making a custom cable, refer to the following diagrams.

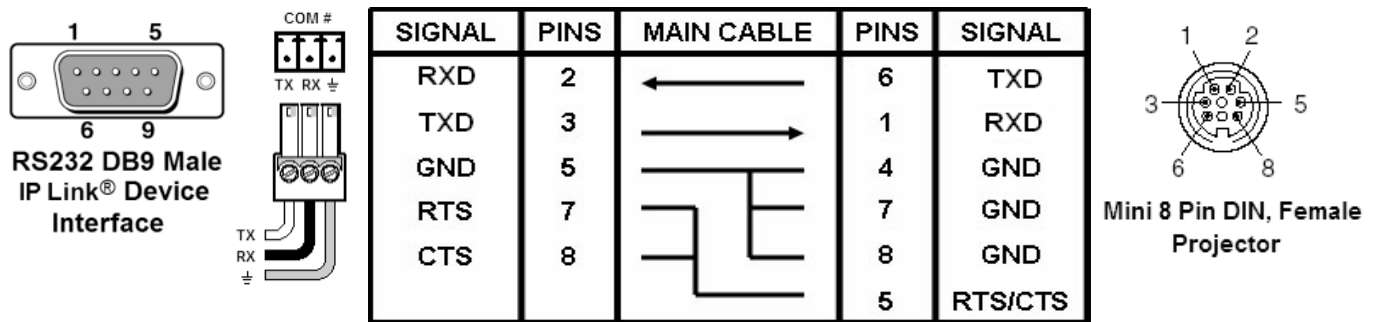
Notes for the Device:

Serial communication:

Port Type: RS232
Baud Rate: 19200
Data Bits: 8

Parity: None
Stop Bits: 1
Flow Control: None

Pin Assignments Diagram:



Note: Captive screw connector may also be used as a serial connection by shorting projector's RTS/CTS pin to ground. If a communication problem exists, try grounding Pin 5 (RTS/CTS) of the 8 PIN together with Pin 4, 7, & 8.

General Notes: